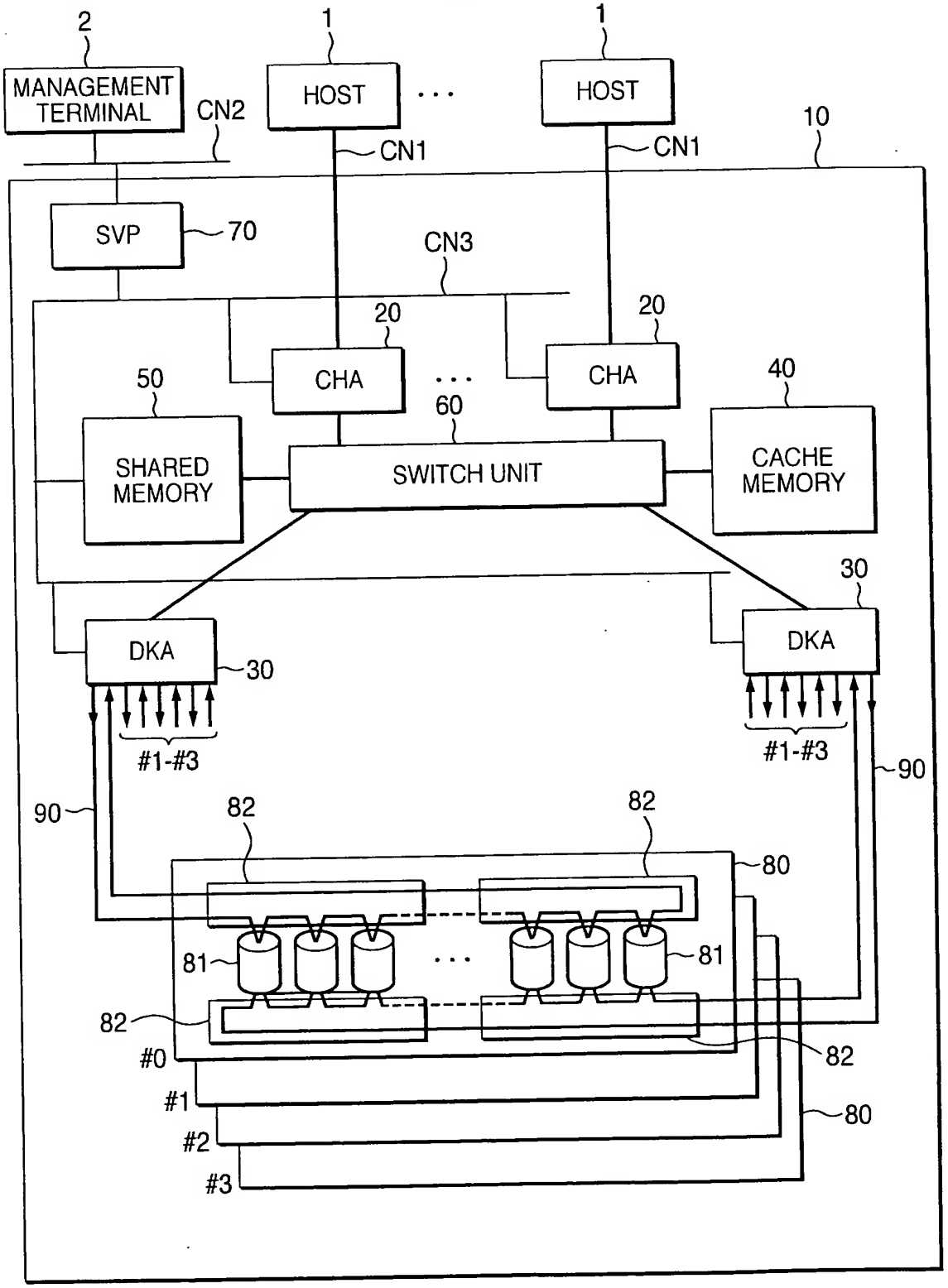
FIG. 1


2
MANAGEMENT TERMINAL
CN2
1
HOST
1
HOST
CN1
CN1
10
SVP
70
CN3
20
CHA
20
CHA
50
SHARED MEMORY
60
SWITCH UNIT
40
CACHE MEMORY
30
DKA
30
DKA
#1-#3
#1-#3
90
90
82
82
80
81
81
82
#0
82
#1
#2
#3
80

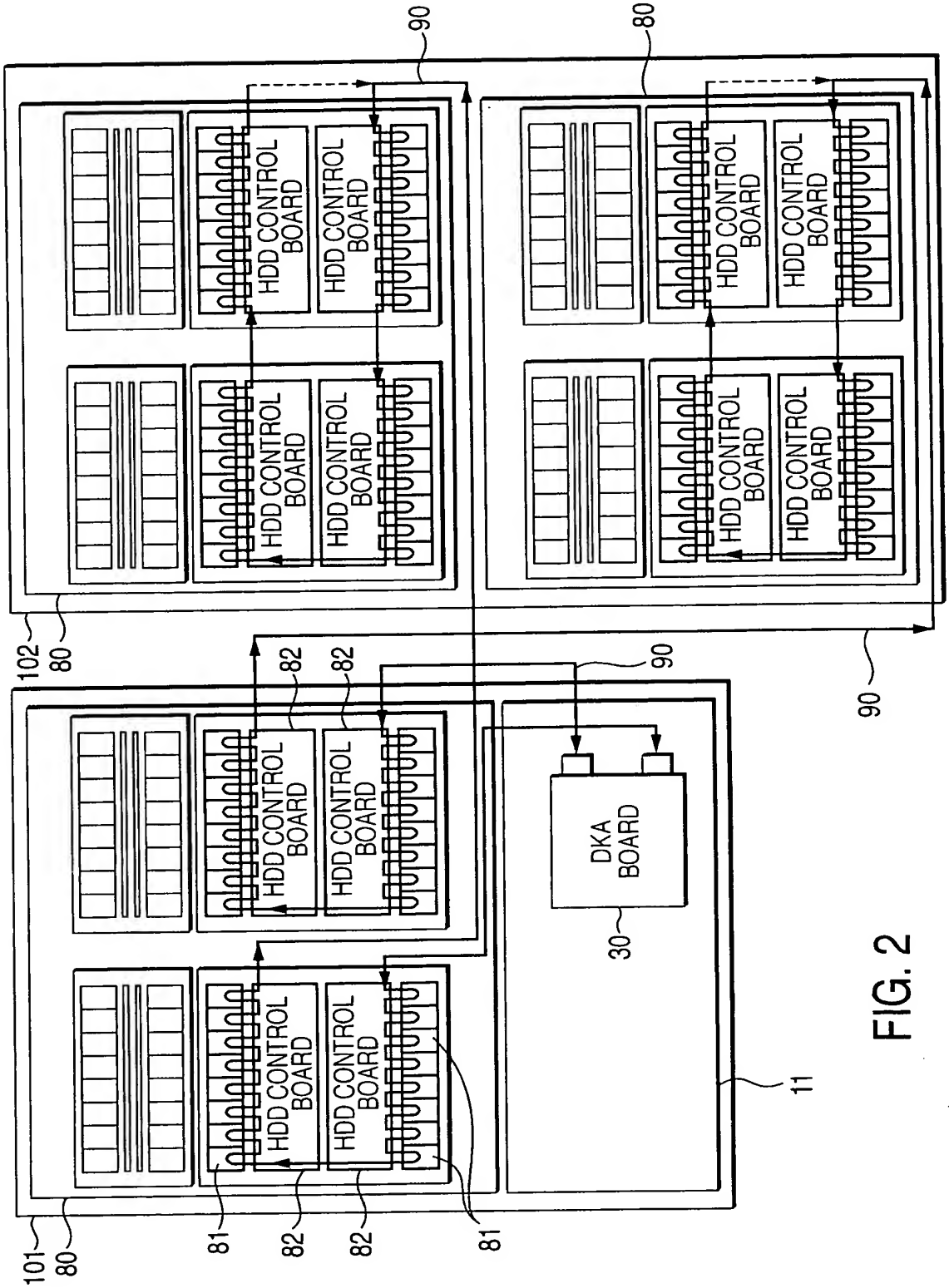


FIG. 2

FIG. 3

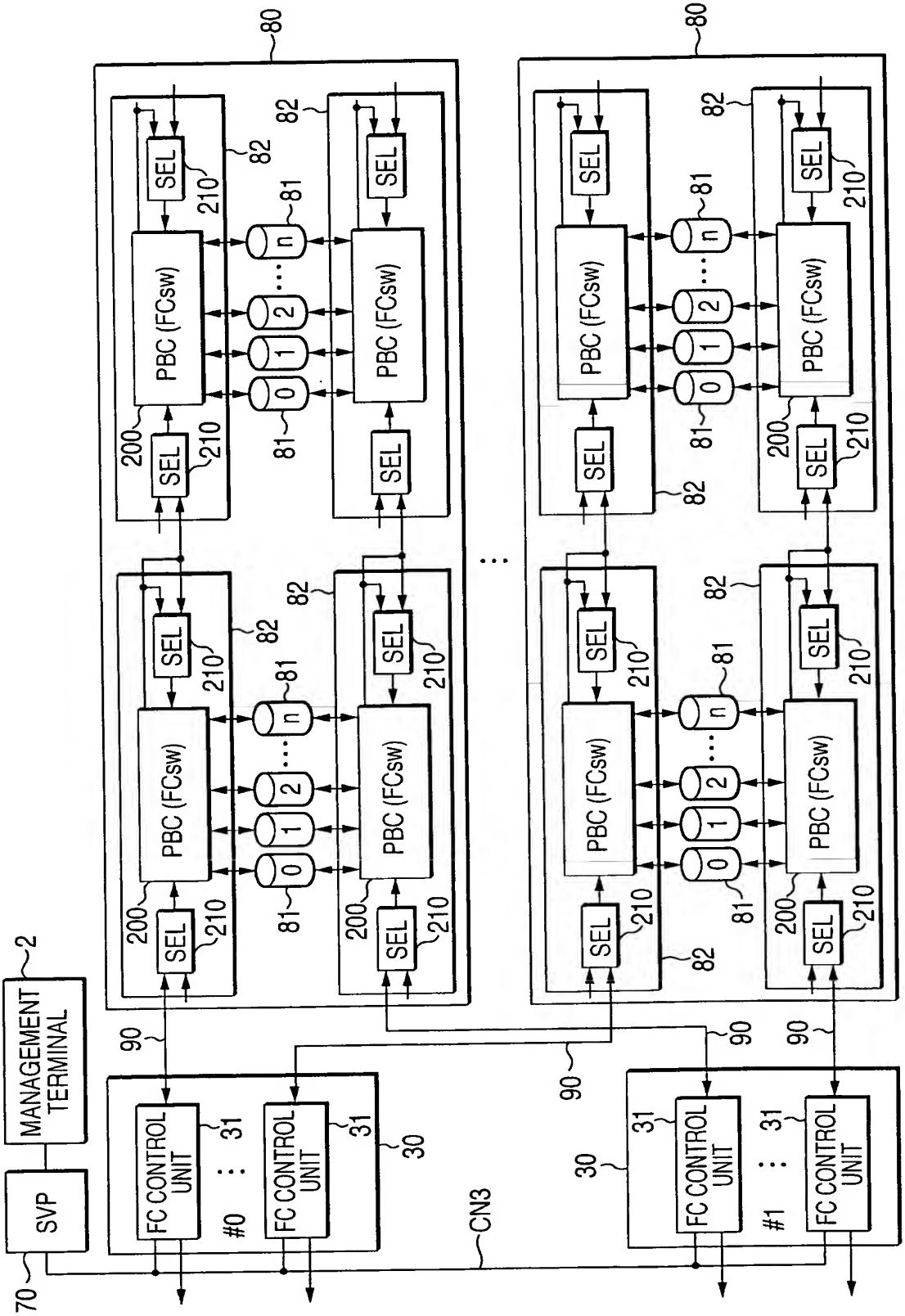


FIG. 4

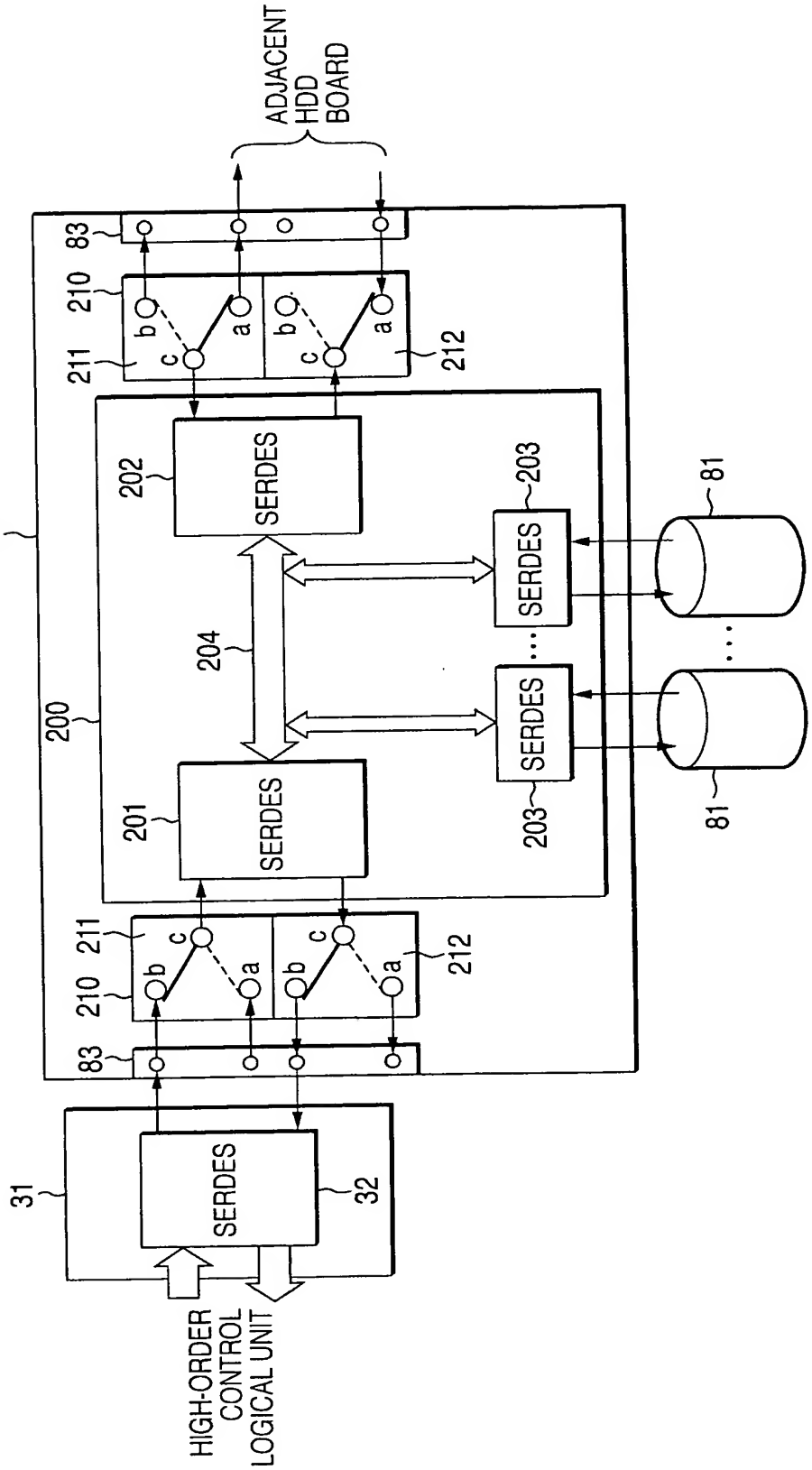

ADJACENT HDD BOARD
83
210
211
212
b
a
c
82
202
SERDES
203
81
204
200
201
31
32
HIGH-ORDER CONTROL LOGICAL UNIT

FIG. 5

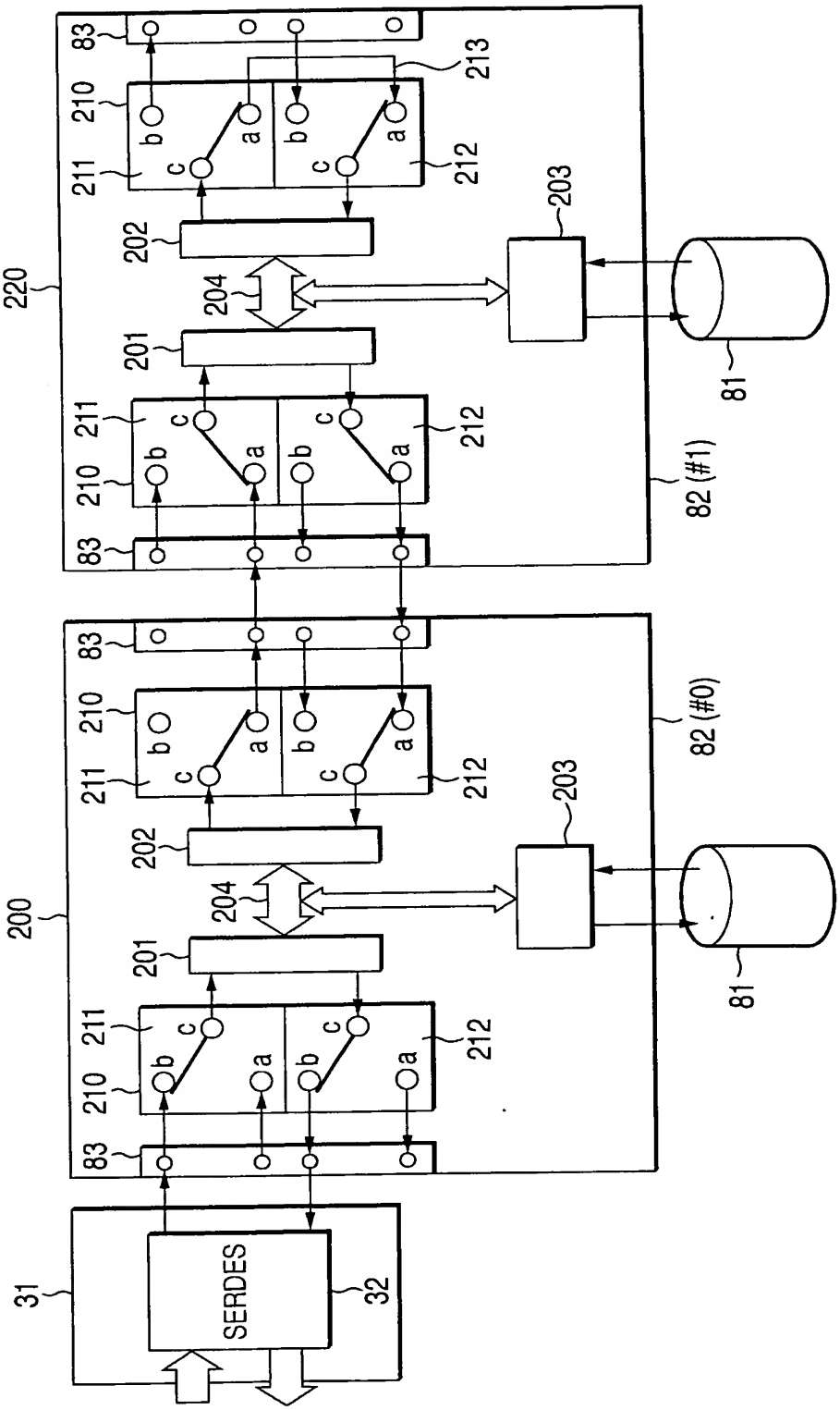

31
SERDES
32
200
220
82 (#0)
82 (#1)
81
81
83
210
211
212
213
201
202
203
204
a
b
c

FIG. 6

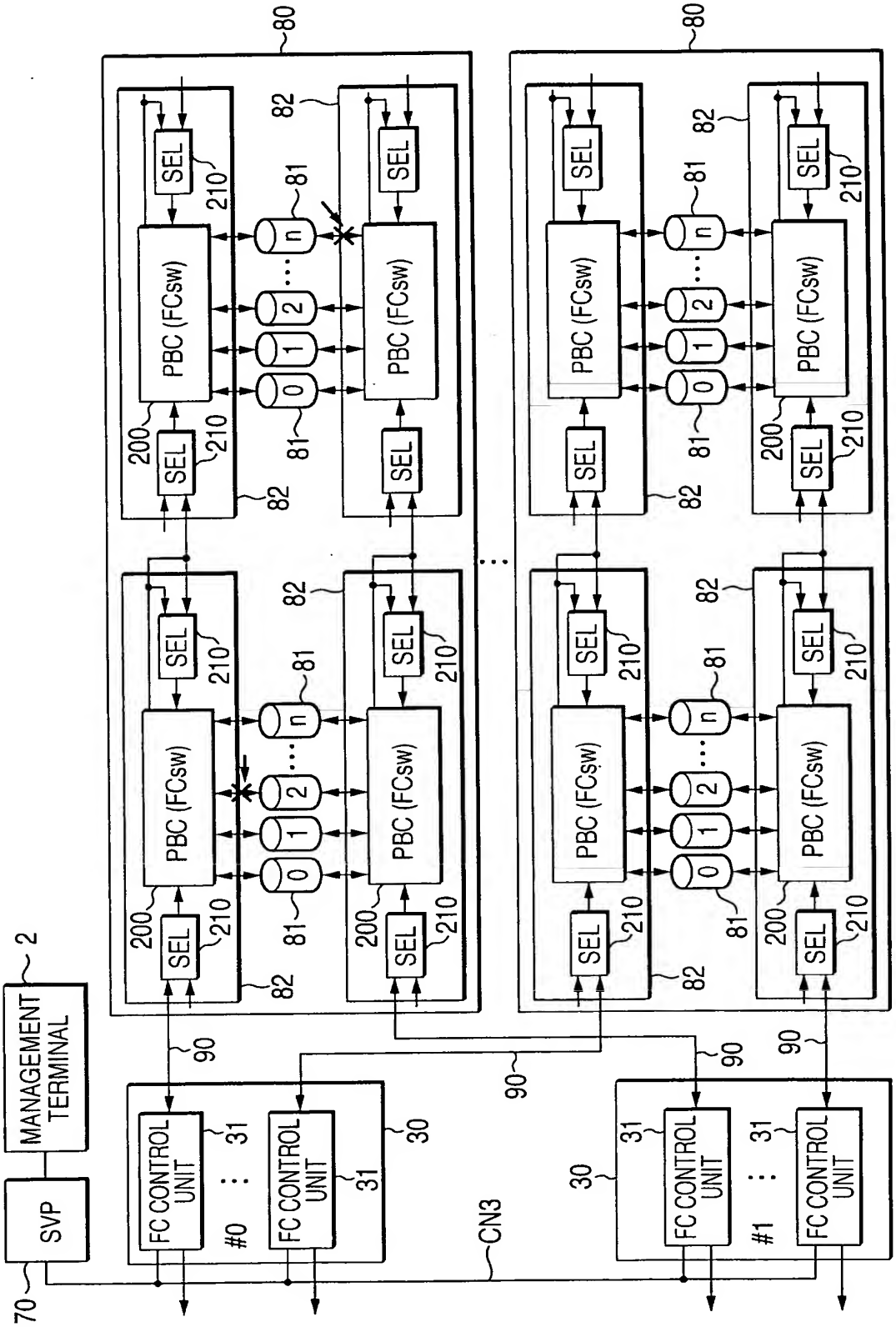
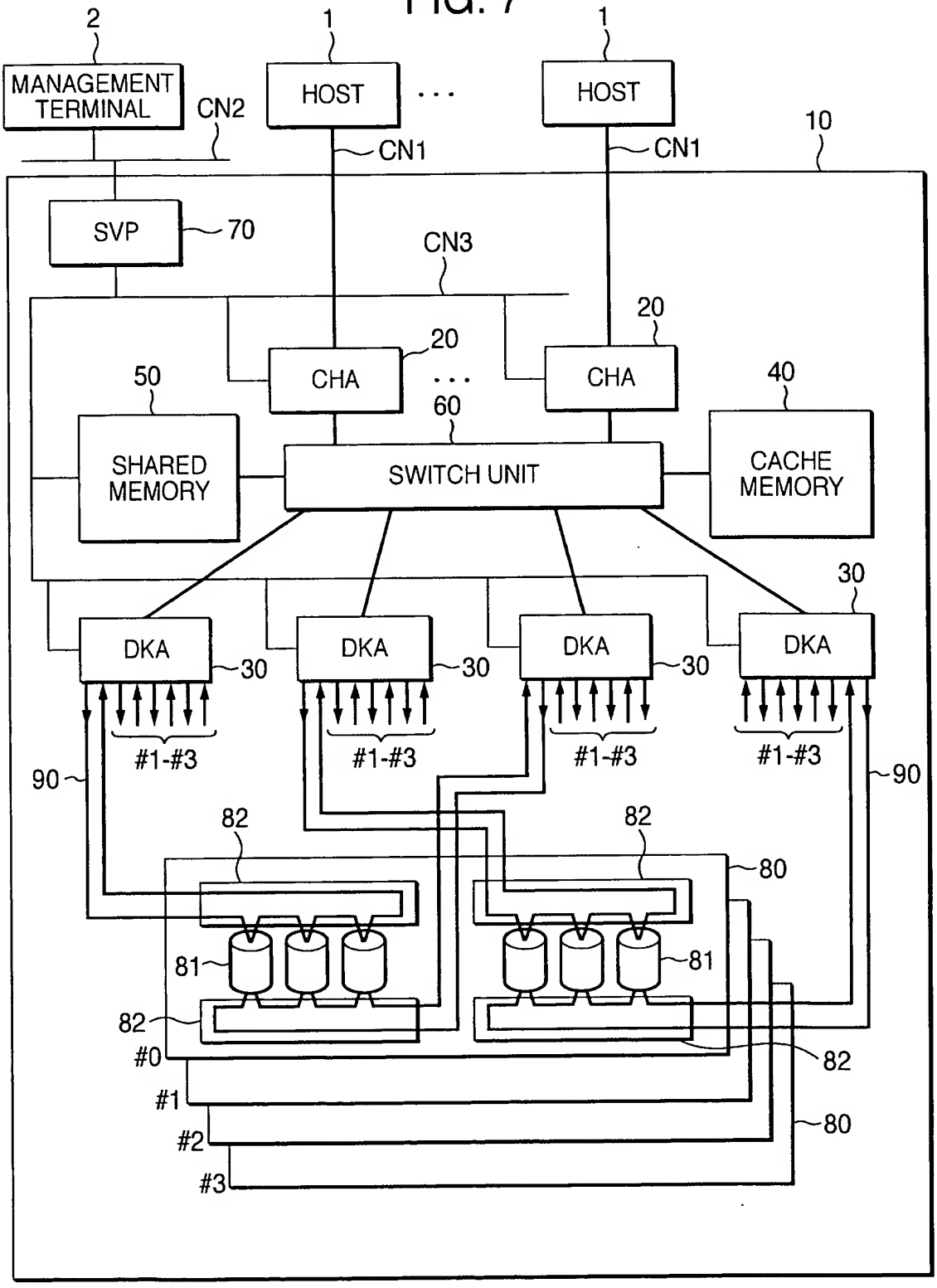

MANAGEMENT TERMINAL
2
SVP
70
FC CONTROL UNIT
#0
#1
31
30
CN3
90
80
82
PBC (FCsw)
SEL
200
210
81
0
1
2
n

FIG. 7


2
1
1
MANAGEMENT TERMINAL
CN2
HOST
HOST
CN1
CN1
10
SVP
70
CN3
20
20
50
CHA
CHA
40
60
SHARED MEMORY
SWITCH UNIT
CACHE MEMORY
30
DKA
DKA
DKA
DKA
30
30
30
#1-#3
#1-#3
#1-#3
#1-#3
90
90
82
82
80
81
81
82
#0
82
#1
#2
80
#3

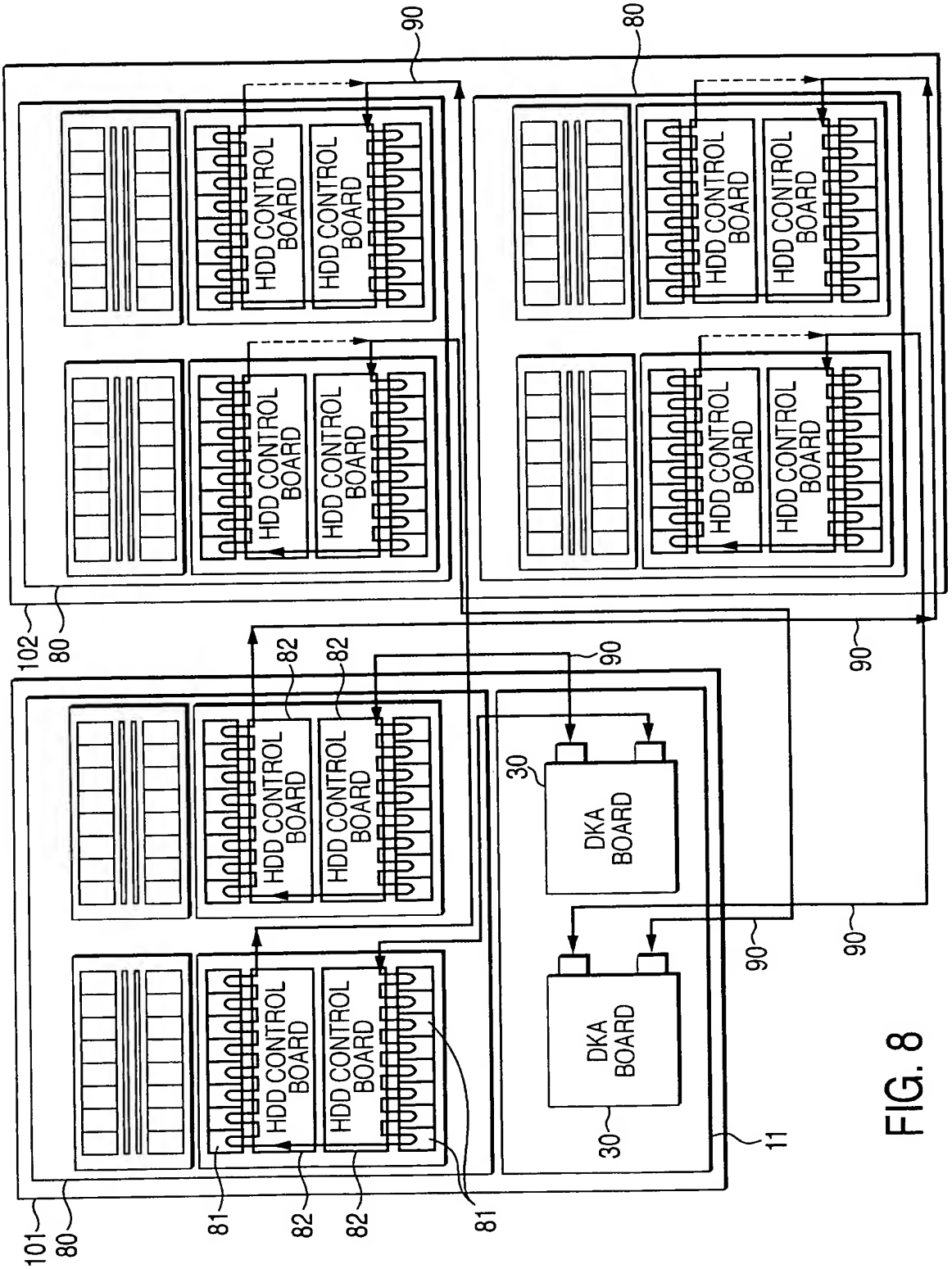


FIG. 8

FIG. 9

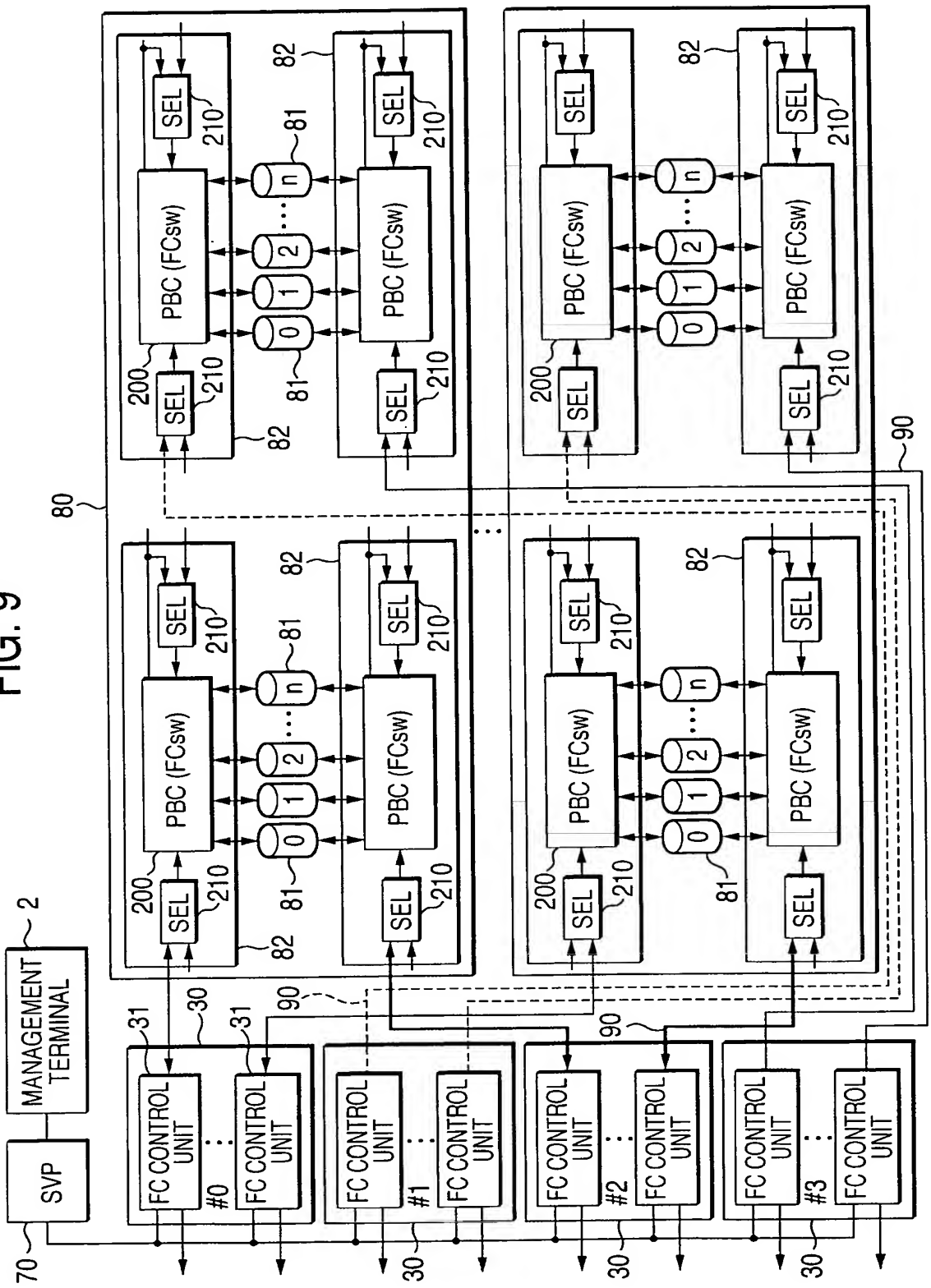

SVP
MANAGEMENT TERMINAL
2
70
80
90
30
31
FC CONTROL UNIT
#0
#1
#2
#3
PBC (FCsw)
SEL
200
210
81
82
0
1
2
n

FIG. 10

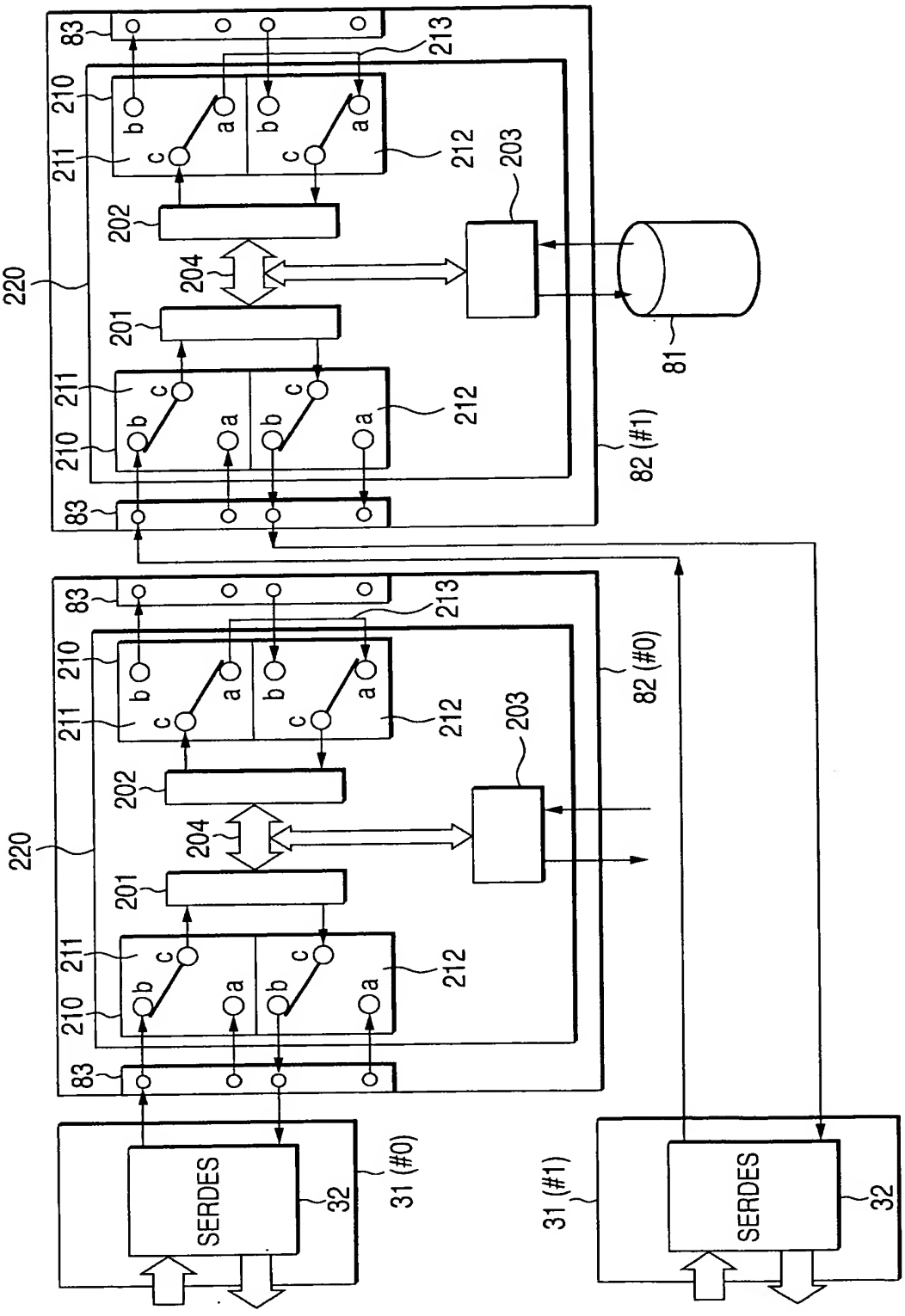

SERDES
32
31 (#0)
31 (#1)
82 (#0)
82 (#1)
81
83
210
211
212
213
220
201
202
203
204
a
b
c

FIG. 11

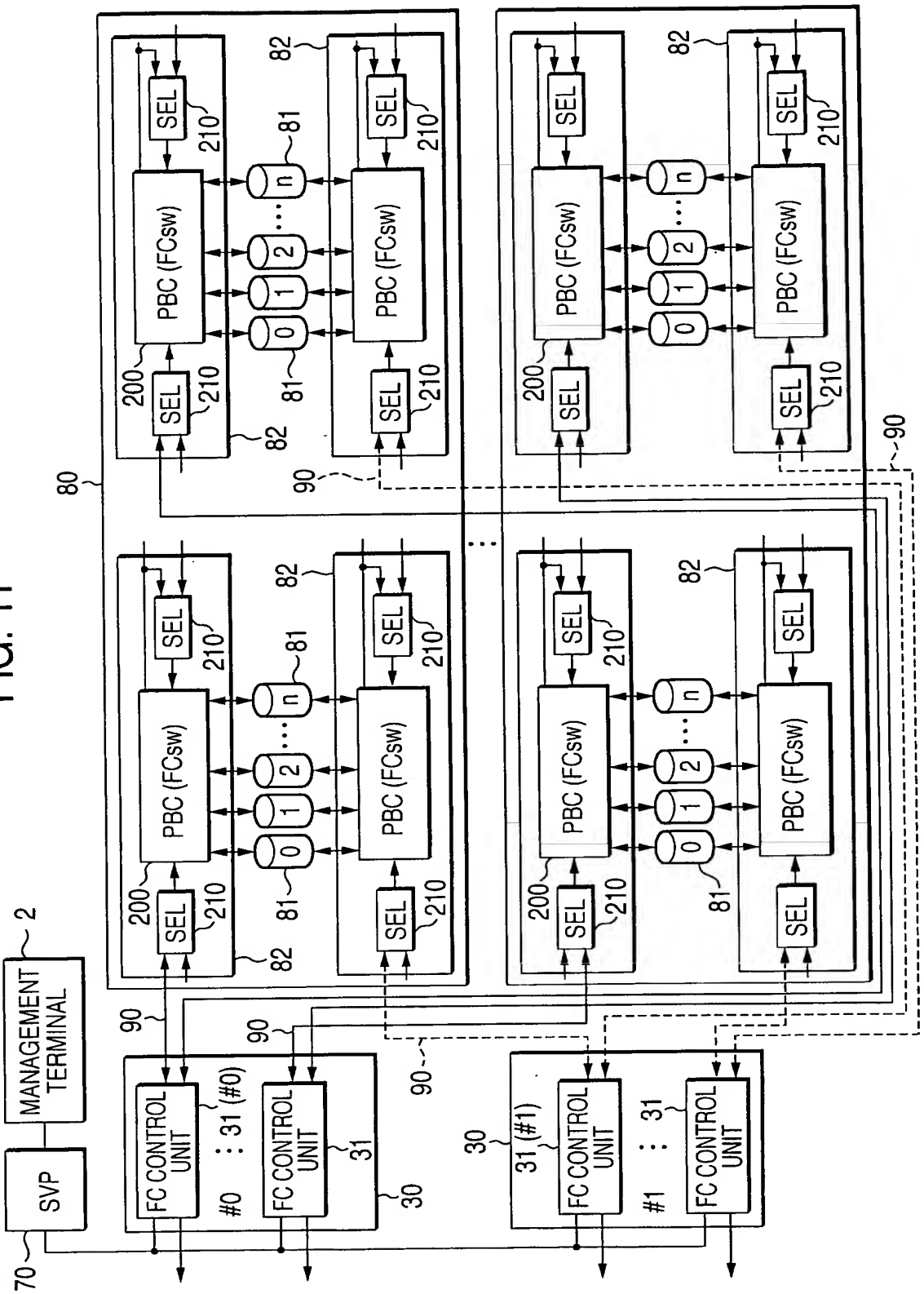

MANAGEMENT TERMINAL
2
SVP
70
FC CONTROL UNIT
#0 : 31 (#0)
#1 : 31 (#1)
30
80
82
81
90
PBC (FCsw)
SEL
200
210
0
1
2
n

FIG. 12

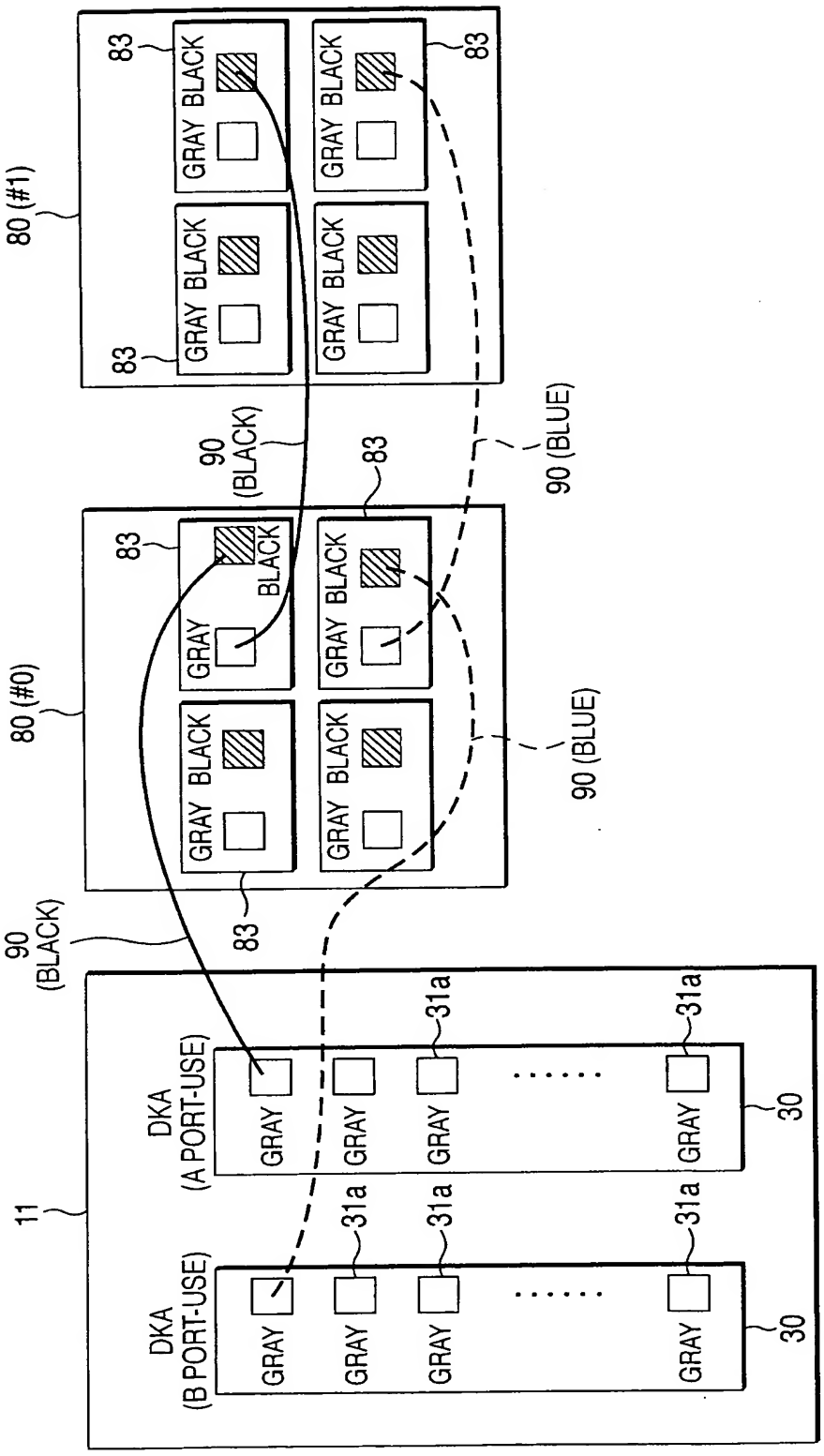

80 (#1)
80 (#0)
11
DKA
(A PORT-USE)
DKA
(B PORT-USE)
GRAY
BLACK
GRAY BLACK
83
31a
30
90
(BLACK)
90 (BLUE)

FIG. 13

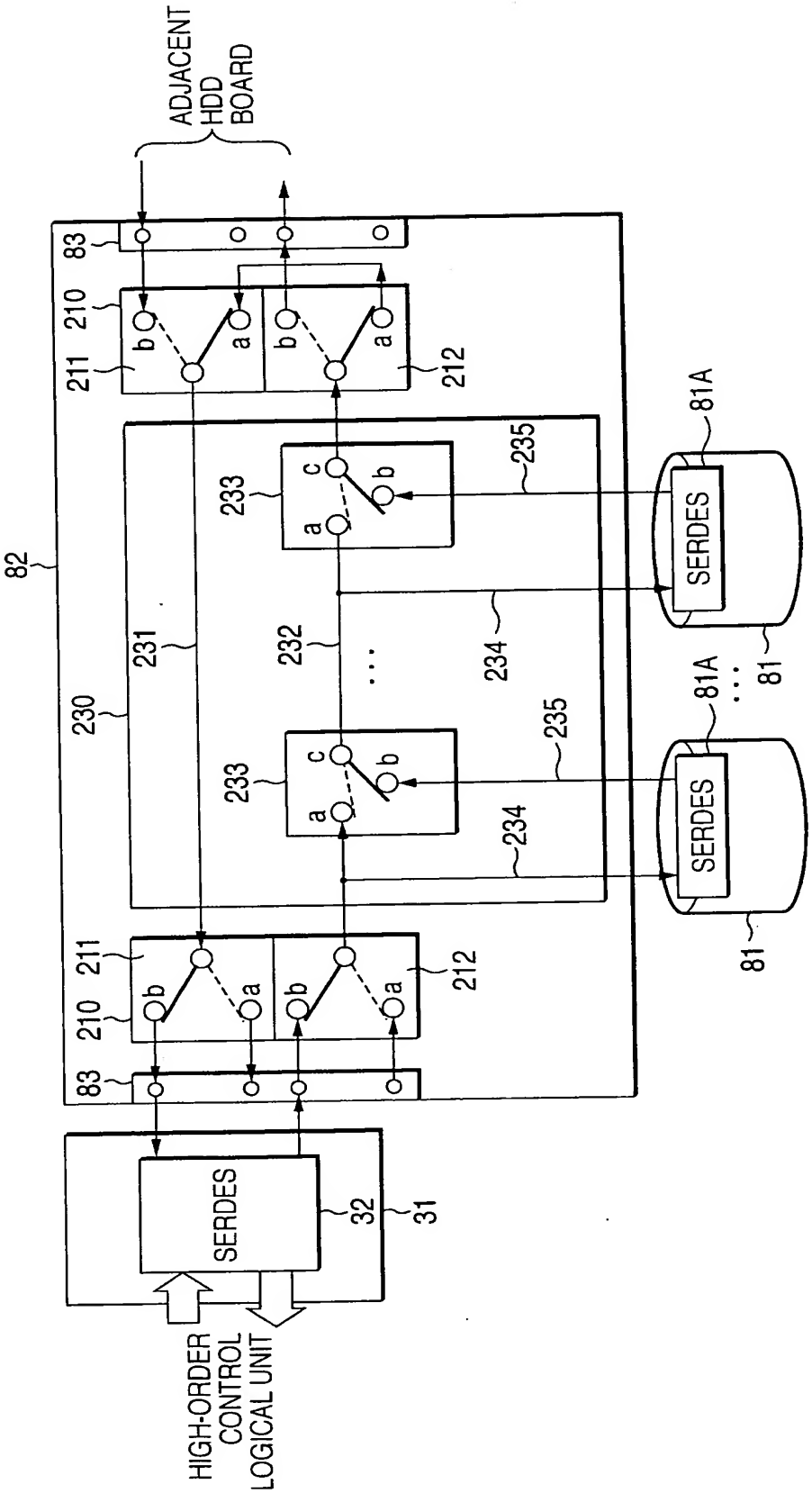

ADJACENT HDD BOARD
HIGH-ORDER CONTROL LOGICAL UNIT
SERDES
SERDES
SERDES
82
83
210
211
212
230
231
232
233
234
235
81
81A
31
32

FIG. 14

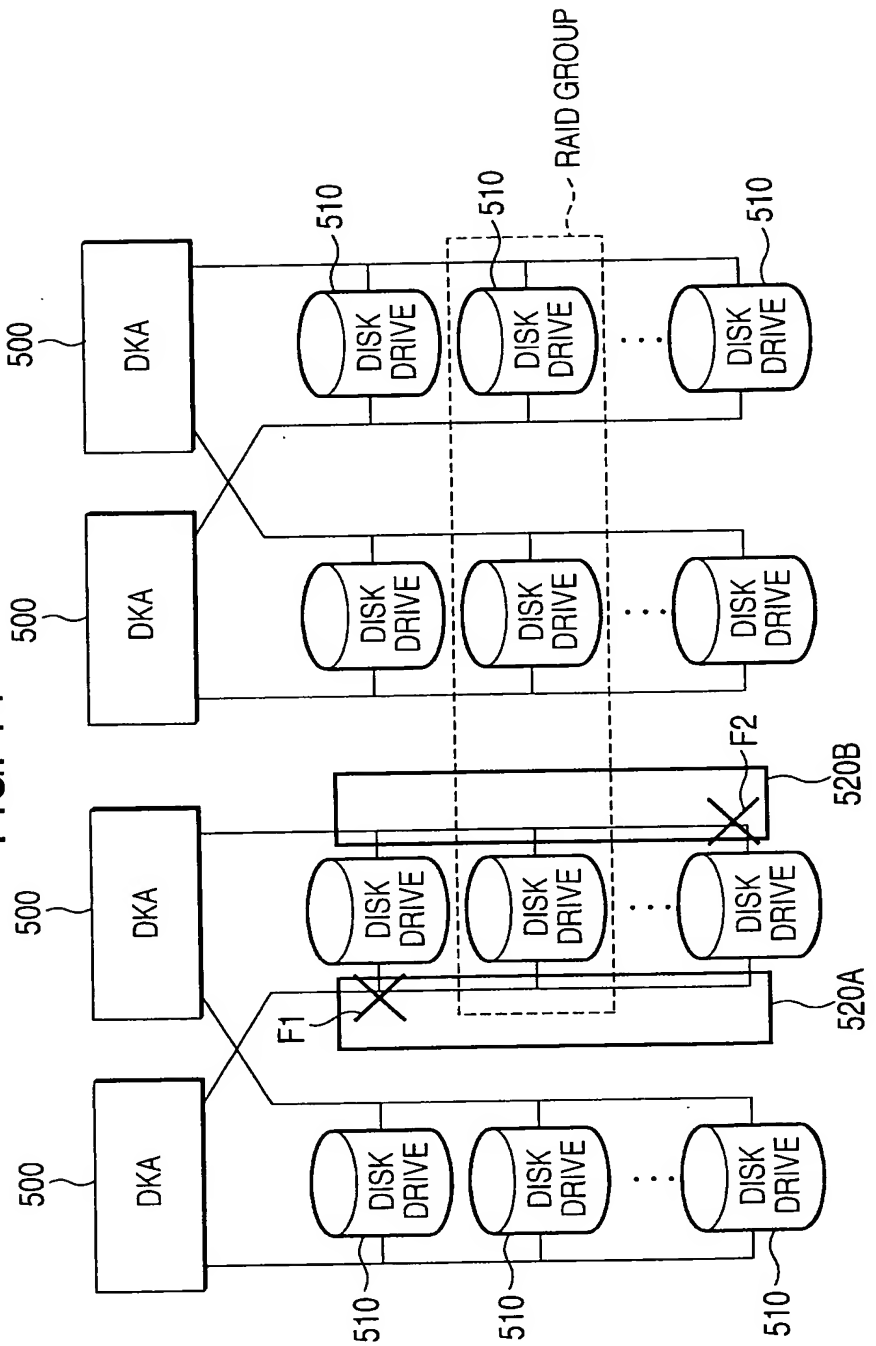
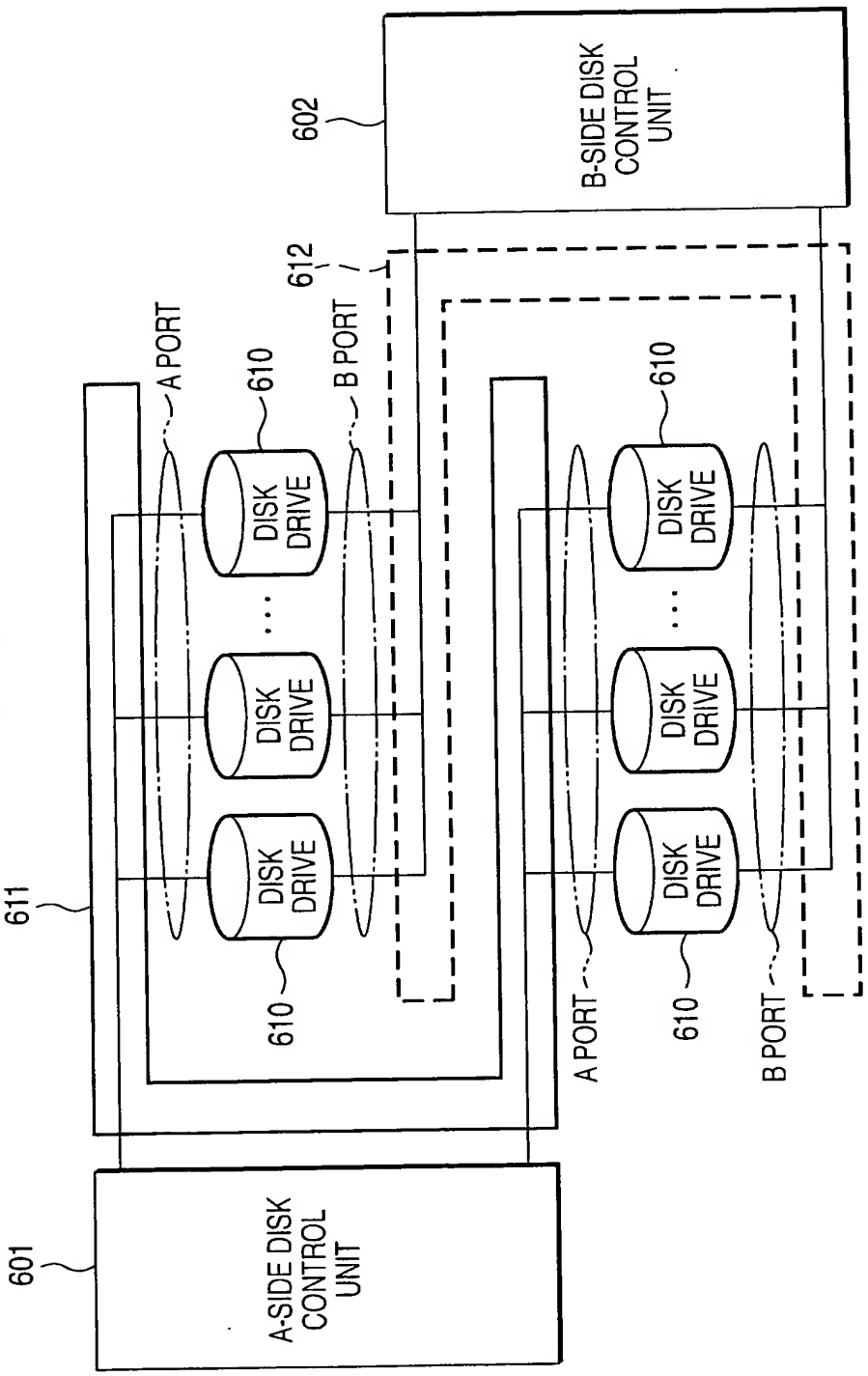


FIG. 15


601
A-SIDE DISK CONTROL UNIT
602
B-SIDE DISK CONTROL UNIT
611
612
A PORT
B PORT
610
DISK DRIVE